rocketfish™

Rocketboost™ Wireless Speaker System

RF-RBWS01

User Guide

Rocketfish Rocketboost™ Wireless Speaker System

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Introduction

Congratulations on your purchase of the Rocketboost™ Wireless Speaker system. This system represents the state of the art in 2.4 GHz wireless speaker design, and lets you enjoy your music without the limitations of cables.

With a maximum 150-foot broadcast range, this powerful wireless speaker system transmits through walls, floors, and ceilings. The sound quality is free from interference and offers you rich sounding bass and crisp treble.

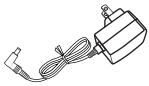
The system can be used with any of your audio components, like your CD/DVD player, home theater system, or even audio output from a computer or MP3 player. By using other Rocketboost wireless audio products, you can also configure multiple audio streams and listen to any of those audio streams at the wireless speaker.

This User Guide explains how to correctly install, operate, and get the best performance from your Rocketboost Wireless Speaker System. Read this guide carefully before installing your system, and then keep it handy for quick reference.

Package contents

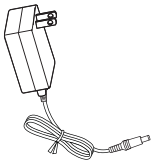
The box should contain the following:

Wireless sender/receiver

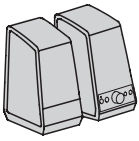


AC power adapter for Wireless sender/receiver

3.5 mm audio cable

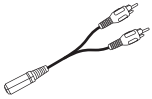


AC power adapter for Wireless Speakers

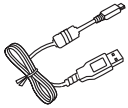


Wireless speakers

Remote control



3.5 mm to RCA adapter cable (6 in, 0.15 m)

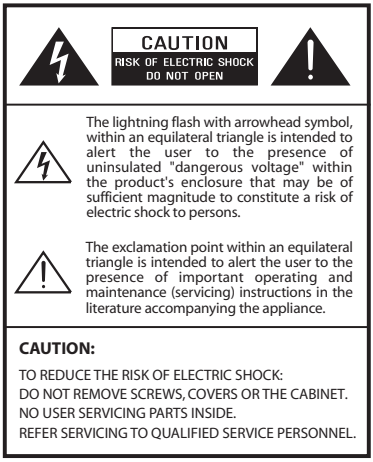


USB Cable

User Guide

Quick Setup Guide

Important safety instructions


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.
The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.
CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK:
DO NOT REMOVE SCREWS, COVERS OR THE CABINET.
NO USER SERVICING PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11 Only use attachments/accessories specified by the manufacturer.

12 Unplug this apparatus during lightning storms or when unused for long periods of time.

13 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

14 To reduce the risk of fire or electric shock, do not expose this device to rain, moisture, dripping, or splashing, and no objects filled with liquids, such as vases, shall be placed on it.

15 The wall plug is the disconnecting device. The plug must remain readily operable.

16 Batteries should not be exposed to excessive heat such as sunshine, fire, or the like.

***Caution**: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.*

***Warning**: Read the Rating Label on the back of the unit for power input and other safety information.*

***Caution** - Proper Installation*

Install the system in a place which is level, dry and neither too hot nor too cold. The appropriate temperature is between 5° C and 35° C.

Install the system in a location with adequate ventilation to prevent internal heat from building up inside the unit.

Caution - Proper ventilation

To avoid risk of electric shock and fire, and to prevent damage, locate the apparatus for adequate ventilation.

What is Rocketboost?

Rocketboost is expandable wireless digital audio.

- Products with Rocketboost technology let you easily expand your listening experience throughout your home.
- Rocketboost does not interfere with other wireless products in your home.
- Rocketboost is uncompressed digital audio compatible with all audio formats such as Dolby TrueHD, and DTS-HD Master Audio used with Blu-ray.

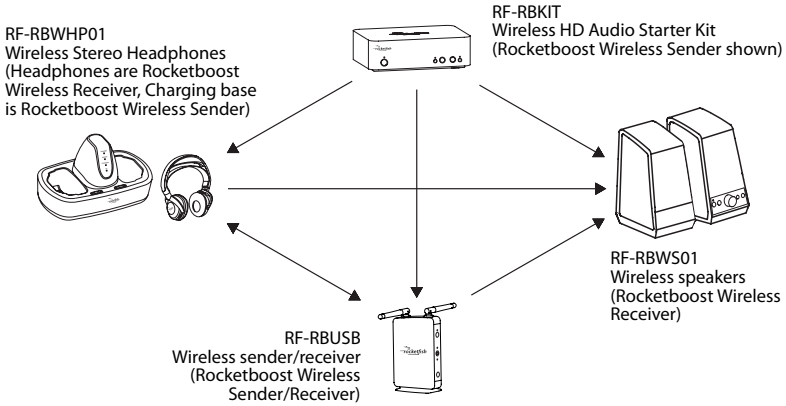
When you see the Rocketboost logo on any product, it has been designed to work with other Rocketboost products, no matter who manufactures them.

How does Rocketboost work?

Rocketboost technology can connect all audio devices throughout your home to form a home audio network.

Rocketboost products include "Senders," which send or transmit audio streams, and "Receivers," which receive the audio. This lets you listen to music from your Sender in other rooms using your Receiver.

Rocketboost is expandable. Each Rocketboost Receiver can select the audio from any Sender in your Rocketboost audio network. The following shows an example Rocketboost network. You can set up your network to meet your specific needs.

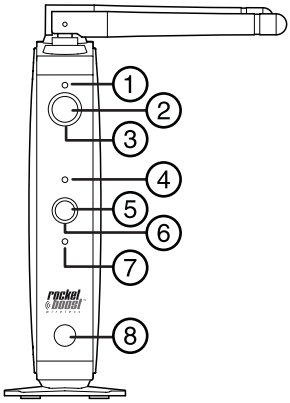


We hope you enjoy your new Rocketboost system. Remember that it's designed to grow with your home entertainment needs, and that it's easy to add a new device to the network as you expand your system.

Features

- High-Performance Audio - Uncompressed digital CD-quality sound, adjustable volume control
- Strong Wireless Signal - 150 ft. wireless range (maximum, line of sight), great sound, no static, won't interfere with your other wireless products, compatible with all Rocketboost products
- Versatile/Easy audio connection options - USB for computer audio, Line Input for other devices like MP3 or CD players
- Easy to use - Easy to set up

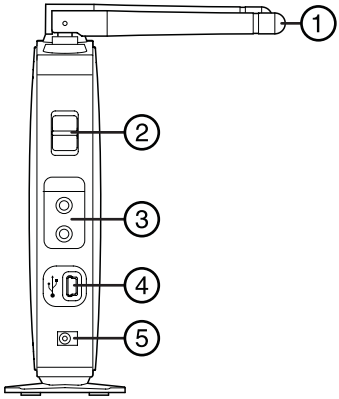
Wireless sender/receiver (front panel)



#	Feature	Description
1	Standby indicator	Turns red when the wireless sender/receiver is in standby mode.
2	Power/Join button	Press to turn the wireless sender/receiver on. Press and hold to initiate joining. Press again to go to standby mode. When you connect the AC power adapter, the device turns on automatically.
3	Power/Join indicator	Lights blue when the **HUB STATUS** switch is set to DISABLE. Lights green when the **HUB STATUS** switch is set to ENABLE. The indicator will turn solid when it is joined in a network, if the device is not in a network, the indicator blinks slowly. When the device is put in joining mode, the indicator blinks rapidly. See "Establishing communication" on page 19 for more information.

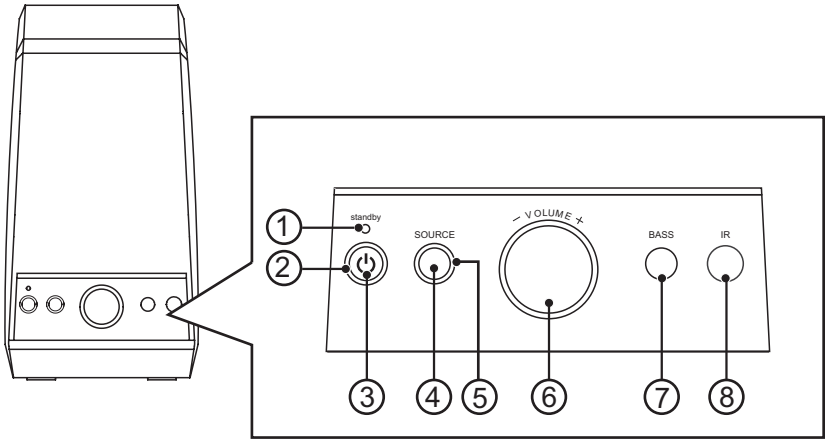
#	Feature	Description
4	Sender mode indicator	Turns blue when sending audio. **Note**: This indicator will light automatically when a 3.5 mm connector or USB cable is attached to the device (the device senses the cable connection).
5	Source	Press to select different audio streams on your Rocketboost network. Each press moves to the next source.
6	Receiver mode indicator	Turns blue when receiving audio from a Rocketboost wireless sender. Blinks slowly if the current source listened to is muted. **Note:** This indicator will not be lit if the Rocketboost wireless sender is turned off. Press the **SOURCE** button to find the next available source.
7	Line in indicator	Turns blue when an audio source device is plugged into the Line In jack. **Note**: The indicator does not light when a USB cable is connected to the USB jack.
8	Remote control sensor window	Receives the signal from the remote control.

Wireless sender/receiver (back panel)



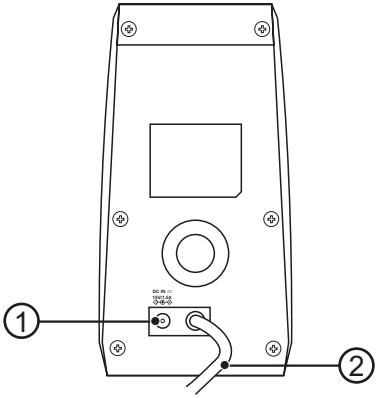
#	Feature	Description
1	External antenna	Receives audio from wireless senders. Sends audio to receivers.
2	HUB STATUS switch	Enables and disables hub mode operation. See "Establishing communication" on page 19 for more information.
3	LINE IN/OUT jacks	When used as a wireless sender, plug an audio source device into the **LINE IN** jack. When used as a wireless receiver, plug your amplifier or amplified speakers into the **LINE OUT** jack. Note, this device operates as both a wireless sender and wireless receiver, so you can use it simultaneously to send and receive audio on your Rocketboost network.
4	USB jack	When used as a wireless sender, connect to the USB jack of your computer to send the audio from your computer to the Rocketboost wireless receivers.
5	DC IN jack	Plug the AC power adapter into this jack.

Wireless speaker — front



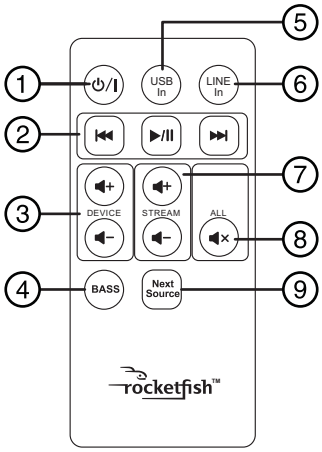
#	Feature	Description
1	Standby indicator	Turns red when the wireless speaker is in standby mode.
2	Power/Join indicator	The indicator will light solid blue when the speaker is joined to a Rocketboost hub device, if it is not joined, it will flash slowly. When the speaker is put in joining mode, the indicator will flash rapidly.
3	Power on/ Standby/Join	Press to turn the wireless speaker on. Press and hold to initiate joining. Press again to go to standby mode. When you connect the AC power adapter, the device turns on automatically.
4	Source button	Press to select different audio streams on your Rocketboost network. Each press moves to the next source.
5	Source indicator	Turns blue when receiving audio from a Rocketboost wireless sender. Blinks slowly if the current source listened to is muted. **Note**: This indicator will not be lit if the Rocketboost wireless sender is turned off. Press the **SOURCE** button to find the next available source.
6	Volume control knob	Turn this knob to increase or decrease the volume.
7	BASS button	Press to enable/disable BASS enhancement.
8	Remote control sensor	Receives the signal from the remote control.

Wireless speaker — back



#	Feature	Description
1	DC IN jack	Plug the AC adapter into this jack.
2	Speaker cable	Connected to the left speaker.

Remote control



#	Feature	Description
1	⏻/| Standby/On button	Press to turn the wireless speaker system on. Press again to enter standby mode.
2	⏮/▶/⏸/⏭ (Previous, Play/Pause, Next)	Skip to the previous track. Play or Pause a track. Skip to the next track. These playback controls will only work when you connect the wireless sender/receiver to a computer's USB port. The playback controls will work for Windows Media® Player and iTunes, but may not work with other software. When using these controls, point the remote at the wireless speaker or other Rocketboost receiver where you are listening to the audio stream.
3	Volume 🔊+/🔉– buttons (device)	Press to adjust the volume on the wireless speaker. The wireless sender/receiver is a line-level device, so volume controls are not supported on it. In that case the volume on the local amplifier or powered speakers connected to the wireless sender/receiver must be adjusted when listening to the wireless sender/receiver line-level out.
4	**BASS** button	Press to enable/disable the BASS enhancement.
5	USB In	Press to listen to the audio from the device connected to the **USB** jack of your wireless sender/receiver.
6	Line In	Press to listen to the audio from the device connected to the **LINE IN** jack of your wireless sender/receiver.
7	Volume 🔊+/🔉– buttons (stream)	Press to adjust the volume of all devices receiving the same audio stream.

#	Feature	Description
8	🔇× (mute - all)	Press to mute all audio streams in your Rocketboost network. Pressing mute again at any Rocketboost wireless receiver will "unmute" the stream that was last heard at that wireless receiver. This stream can now be heard from any other wireless receiver that was receiving that stream. Other streams are unmuted in the same way: pressing mute again at each wireless receiver will unmute the stream that was last heard at that receiver.
9	**Next Source** button	Press to select different audio streams on your Rocketboost network. Each press moves to the next source.

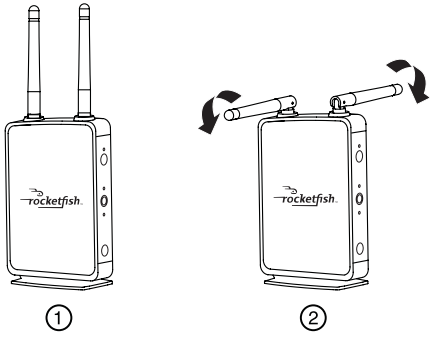
If you have connected the wireless sender/receiver to your computer with a USB connection, you can use the three playback buttons on the remote control to skip to the previous/next track or play/pause a track. When using these buttons, point the remote at the wireless speakers where you are listening to the audio. Note that the playback buttons will work for songs played on the computer with Windows Media Player and iTunes, but may not work with other software.

Setting up your wireless speaker system

Initial setup

To set up your wireless sender/receiver:

1. Unpack the package contents.
2. Adjust the antennas.



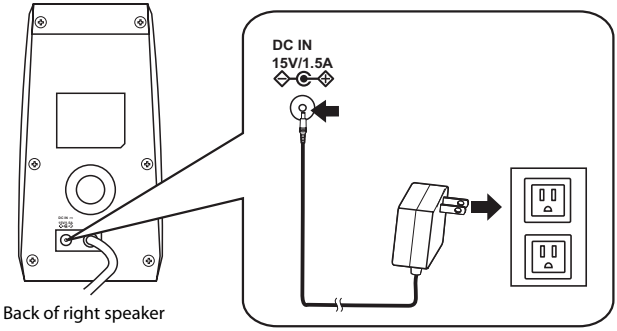
***Tip**: In some cases, you may improve range by rotating both antennas to create a 180° angle.*

***Note**: Make sure that the device is located at least 18" (.46 m) from any WiFi router.*

Connecting the AC adapter to the wireless speaker

To connect the AC adapter to the wireless speaker:

- Connect the AC power adapter to the wireless speaker and plug into an AC power outlet. The wireless speaker system turns on automatically.



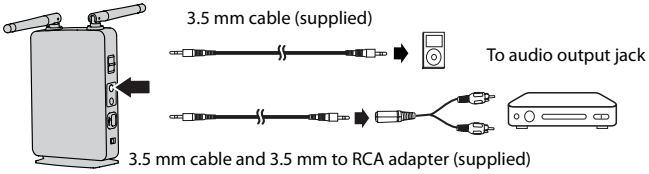
Back of right speaker

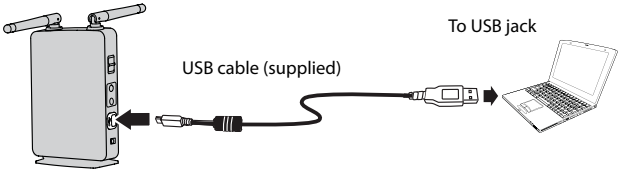
Connecting your wireless sender/receiver

***Note**: Make sure that the device is located at least 18" from any WiFi router.*

To connect the wireless sender/receiver to an audio source and AC power:

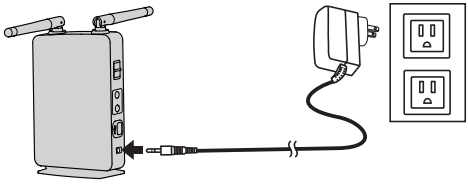
1 Connect your audio source to the LINE In jack or USB jack on the rear of the sender, using the 3.5 mm audio cable or the USB cable. If necessary, you can also use the 3.5 mm to RCA adapter, if your audio device uses RCA-type line out connectors. You can select either USB-In or LINE-In operation using the remote control, depending on which audio input you are using.





2 Remember to turn the volume up on your source device to at least 80% of its maximum volume if connected to a headphone output.

3 Connect the AC power adapter to the wireless sender/receiver and plug into an AC power outlet. The wireless sender/receiver automatically turns on and the power indicator turns green.



Notes:

- Make sure that the AC power outlet matches the wireless sender/receiver's AC input (100-240V) before connecting.

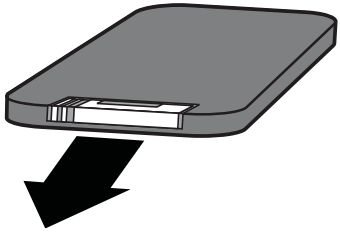
- Connect the AC power adapter to an AC power outlet only after all other connections are completed.

4 Select either USB-In or LINE-In using the remote control, depending on which audio input you are using.

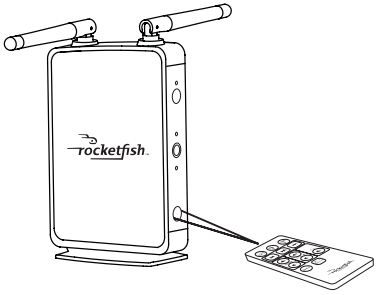
Setting up and using your remote control

To set up and use your remote control:

1 Remove the insulation sheet in the battery tray before using the remote control for the first time.



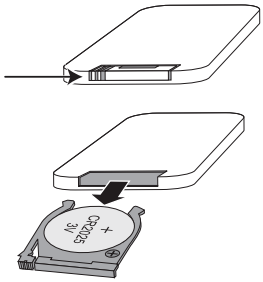
2 Aim the remote control at the IR sensor on the front from a maximum distance of 23 ft. (7 m) away and a maximum angle of +/- 30 degrees from the center line.



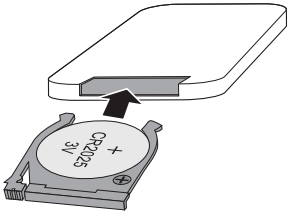
The remote control can be used with both the wireless sender/receiver and the wireless speaker, depending on the remote control function being used.

To replace the battery:

1 Press the battery tray lock to the right, then slide out the battery tray. You can remove the battery door with your fingernails by using the spaces set back in the remote control.



2 Match the polarity on the battery with a plus sign (+) on the battery tray.



Replace the battery with a CR2025 or equivalent.

3 Slide the tray with the new battery into the battery compartment until it clicks into place.

Warnings:

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type of battery.

Notes:

Remove the battery from the remote control when it is not to be used for a long period. Otherwise it might be damaged due to battery leakage.

Do not drop or jar the remote control.

Do not spill water or any liquid on the remote control.

Do not place the remote control on a wet object.

Do not place the remote control under direct sunlight or near sources of excessive heat.

Using your wireless speaker system

Turning on the wireless sender/receiver and wireless speaker

To turn the wireless sender/receiver on and off:

1. When initially connecting to an AC outlet, the device automatically turns on. To turn off the device, press ⏻. The power indicator turns off and the standby indicator turns red.
2. If the wireless sender/receiver is off, press ⏻ to turn it on. The power indicator lights.

To turn the wireless speaker on and off:

1. When initially connecting to an AC outlet, the device automatically turns on. To turn off the device, press ⏻. The power indicator turns off and the standby indicator turns red.
2. If the wireless speaker is off, press ⏻ to turn it on. The power indicator lights.

Establishing communication

Rocketboost products form an audio network and each Rocketboost receiver can select the audio from any Rocketboost sender in the network.

Important

Every Rocketboost network must contain one hub device, which helps devices join the network. The network can have only one hub, which you can enable using the hub switch on the back of all Rocketboost senders and wireless sender/receivers.

If this is your first Rocketboost product, you should make the wireless sender/receiver the hub, if you already have Rocketboost products, you should disable hub mode on this device.

Important: *Hub devices must always have power for your network to operate. The hub device can be in standby (power saving) mode, but must stay plugged in.*

Is this your first Rocketboost product?

YES - If this is your first Rocketboost enabled product, you can skip this section because your wireless sender/receiver and speaker were previously joined or connected at the factory. To learn how to use your speakers, see "Listening to music" on page 23.

> ***Note**: If you do need to rejoin the wireless sender/receiver and the wireless speaker, see "Joining the wireless sender/receiver to the wireless speaker" below.*

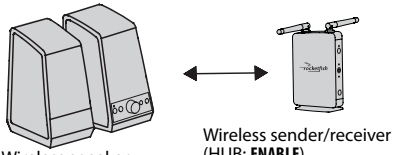
NO - If this is not your first Rocketboost enabled product, proceed to "Joining the wireless sender/receiver and wireless speaker to an existing Rocketboost network" on page 22.

Joining the wireless sender/receiver to the wireless speaker

The wireless sender/receiver and the wireless speaker must be "joined" or wirelessly connected to each other, so that audio can be sent from the wireless sender/receiver to the speaker.

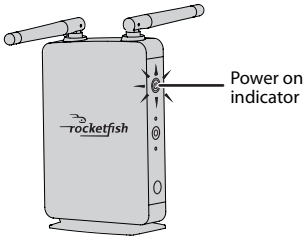
> ***Note**: Use this procedure only if you need to rejoin the wireless sender/receiver and wireless speaker and this is your only Rocketboost-enabled product.*

To join the wireless sender/receiver to the wireless speaker:

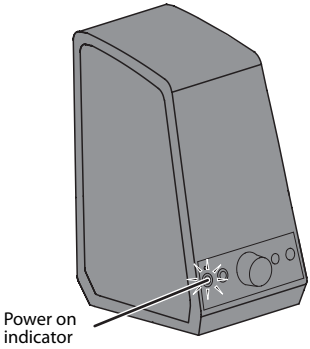


1. Set the **HUB** switch on the wireless sender/receiver to **ENABLE** if this is your first Rocketboost product set.
   - The power indicators turn green when the **HUB** switch is set to **ENABLE**.
   - The power indicators turn blue when the **HUB** switch is set to **DISABLE**.

2 Press and hold the ⏻ button on the wireless sender/receiver for more than three seconds to put it into joining mode. The power indicator starts blinking rapidly and the unit will stay in joining mode for 30 seconds.



3 Press and hold the ⏻ button on the wireless speaker for more than three seconds so the wireless sender/receiver and wireless speaker enter joining mode.



- The power indicators light steadily if the joining was successful.
- The power indicators blink slowly if the joining was not successful.

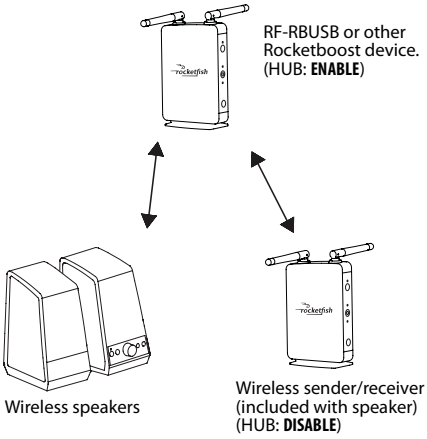
***Note**: Rocketboost devices have their own memory. After the devices are joined once, they will remember each other and join automatically when your devices are powered on again. Because of this, you can join all of your network components in the same room before installing them in their permanent locations throughout the house.*

Joining the wireless sender/receiver and wireless speaker to an existing Rocketboost network

Use this procedure only if you are adding this product to an existing Rocketboost network.

You need to join both the wireless sender/receiver and the wireless speaker to your existing hub device, using the following steps.

To join an existing Rocketboost network:



1. Set the **HUB** switch on the wireless sender/receiver to **DISABLE**.
   - The power indicators turn green when the **HUB** switch is set to **ENABLE**.
   - The power indicators turn blue when the **HUB** switch is set to **DISABLE**.
2. Press and hold the **POWER** button on the your Rocketboost Hub device for more than three seconds to put it into joining mode. The power indicator starts blinking rapidly and the unit will stay in joining mode for 30 seconds.
3. Press and hold the ⏻ button on the wireless sender/receiver for more than three seconds so the Hub device and wireless sender/receiver enter joining mode.
   - The power indicators light steadily if the joining was successful.
   - The power indicators blink slowly if the joining was not successful.

4 Press and hold the **POWER** button on the your Rocketboost Hub device for more than three seconds to put it into joining mode. The power indicator starts blinking rapidly and the unit will stay in joining mode for 30 seconds.

5 Press and hold the ⏻ button on the wireless speaker for more than three seconds so the Hub device and wireless speaker enter joining mode.

- The power indicators light steadily if the joining was successful.
- The power indicators blink slowly if the joining was not successful.

***Note**: Rocketboost devices have their own memory. After the devices are joined once, they will remember each other and join automatically when your devices are powered on again. Because of this, you can join all of your network components in the same room before installing them in their permanent locations throughout the house.*

Listening to music

To listen to music:

1 Turn on the wireless sender/receiver and wireless speaker. The power indicator LEDs should light steadily. If they are blinking you need to rejoin the wireless sender/receiver and wireless speaker. See "Establishing communication" on page 19.

2 Select either USB-In or LINE-In using the remote control, depending on which audio input you are using.

3 Play music from the audio device or your computer connected to your wireless sender/receiver and listen to it from the wireless speaker.

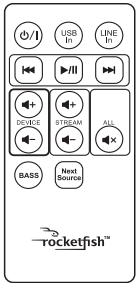
4 Adjust the volume level on your wireless speaker. If you have multiple audio sources in your Rocketboost network, press the **Source** button on the wireless speaker to hear the next audio source. Press the **Source** button again to cycle through all available audio sources.

Controlling the device volume

The volume of the wireless speaker can be changed.

To change the volume of the wireless speaker:

- Aim the remote control at the wireless speaker and press the DEVICE volume buttons on the remote control, or turn the volume knob on the wireless speaker to adjust the volume.

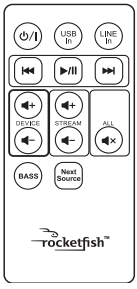


Controlling the stream volume

Rocketboost systems have a special mode where you can change the volume of the audio stream sent by a sender. Then the volume level at each receiver that is receiving that audio stream will change automatically. This is useful if you want to easily change the volume level at all the receivers that are receiving the same audio stream.

To change the stream volume:

- Aim the remote control at the sender and press the STREAM volume button on the remote control.

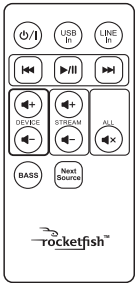


Muting all devices

Rocketboost also features a global mute feature that instantly silences all audio streams in the network.

To mute all devices in the network:

1 Press **ALL** (mute) on the remote control. All audio streams in your network are muted.



2 Pressing **ALL** (mute), while aiming at a specific Rocketboost wireless receiver, will "unmute" the stream that was last heard at that wireless receiver. This stream can now be heard from any other wireless receiver that was receiving that stream. Other streams are unmuted in the same way: pressing **ALL** (mute) again at each wireless receiver will unmute the stream that was last heard at that wireless receiver.

Turning off the system

To turn off the system:

1 Press ⏻ on the wireless sender/receiver to turn off the unit.

- The power indicator turns off and the standby indicator lights red.
- Remove the AC power adapter from the AC power outlet to power off the device completely.

2 Press ⏻ to turn off the wireless speaker. The power indicator goes off.

Notes:

- If there are other wireless senders and wireless receivers in the network, you must keep your Hub powered on. The hub can be in standby, but it needs to be connected to the AC adapter.

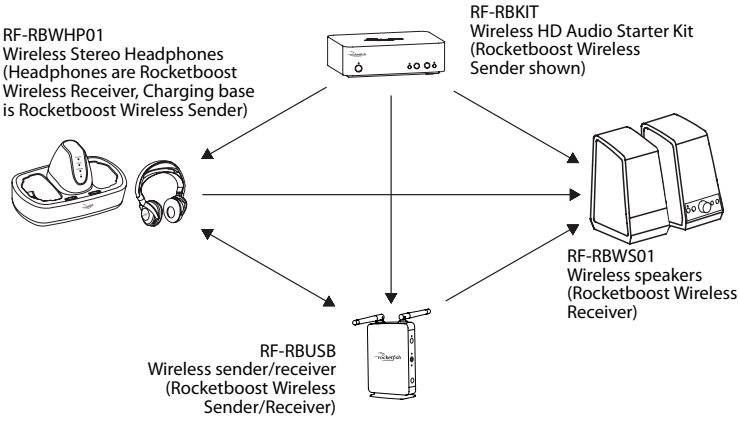
- The device has its own memory. After the wireless sender/receiver and wireless speaker are paired once, they will remember each other and join automatically when the wireless sender/receiver and the wireless speaker are powered on again.

To stop sending audio from the wireless sender:

- Remove the 3.5 mm plug and the USB connector from the back of the device and the wireless sender/receiver automatically stops sending. The Sender Mode indicator will go out.

Expanding your Rocketboost System

Rocketboost technology is expandable. Each Rocketboost Receiver can select the audio from any Sender in your Rocketboost audio network. The following shows an example Rocketboost network. You can set up your network to meet your specific needs.



- **The Rocketboost Wireless Outdoor Speaker (RF-RBWS02)** includes a wireless outdoor speaker and the wireless sender/receiver (RF-RBAUX). Audio sources connected to the wireless sender/receiver can be listened to using the wireless speaker.
- **The Rocketboost Wireless Speaker (RF-RBWS01)** includes a wireless speaker and a wireless sender/receiver (RF-RBUSB). Audio sources connected to the wireless sender/receiver can be listened to using the wireless speaker.
- **The Rocketboost Wireless Sender/Receiver (RF-RBUSB)** can be used as both a wireless sender and a wireless receiver. As a wireless sender you can connect it to your other audio source devices (like home theater

or MP3 player) and then receive that audio using your outdoor wireless speaker or any other Rocketboost wireless receiver. As a wireless receiver you can connect it your stereo system or amplified speakers and then listen to the audio from any other Rocketboost wireless sender.

- **The Rocketboost Amplified Audio Receiver (RF-RBREC)** is an amplified wireless receiver. You connect speakers to this and then listen to audio from any of your Rocketboost wireless sender devices. This is a great way to expand your Rocketboost system to listen to your music anywhere in the house.
- **The Rocketboost Wireless HD Starter Kit (RF-RBKIT)** includes a wireless sender device and the RF-RBREC, amplified wireless receiver. This product can be used for home theater wireless surround sound of for multi-room audio.
- **The Rocketboost Wireless Headphones (RF-RBWHP01)** include a wireless sender device and wireless headphones. Audio sources connected to the wireless sender can be listened to using the wireless headphones.

For more information, and to see what other Rocketboost products are available, visit www.rocketboost.com.

Rocketboost Network Capabilities

The maximum number of Rocketboost devices in a Rocketboost Network is 9. If you already have 9 devices and attempt to join another one, then joining will fail for the new device.

***Note**: If you want to remove a device from your Rocketboost network you need to rejoin it to a different hub device (this basically creates a 2nd Rocketboost network).*

The maximum number of audio streams that can be sent simultaneously on the Rocketboost network is:

- 5 stereo CD quality -or-
- 1 stereo HD quality + 3 CD quality -or-
- 2 stereo HD quality + 2 stereo CD quality -or-
- 3 stereo HD quality

***Note**: HD streams are available if using the wireless sender. If your system is in a maximum audio stream state, then the Sender Mode indicator (marked Tx) will not light on the wireless sender devices that have exceeded the maximum. To use those device's audio streams, you need to turn off one of your other wireless senders.*

Maintaining your system

Use a soft cloth dampened with a weak solution of mild detergent and water. Dry the device immediately afterwards with a clean cloth. Do not use abrasive cloth, thinners, alcohol, or other chemical solvents, because they may damage the finish or remove the panel lettering.

Cautions:

Do not block the ventilation openings.

If the power cord is damaged, it must be repaired by a qualified technician.

Troubleshooting

Check this information for a possible solution before calling for assistance.

General troubleshooting

- Every Rocketboost network must contain only one hub device, which helps other Rocketboost devices join the network.
  - You can turn any Rocketboost wireless sender or wireless sender/receiver into a hub by using the HUB STATUS or HUB ENABLE switch on the back of the device. The network can only have one hub.
  - The hub device must have power for the audio network to operate. The hub can be in standby (power-saving mode), but must remain plugged in.
  - The existing hub device will be the device with the green power indicator.
- The unobstructed operating range of a Rocketboost network is 150 feet (45 meters).
- Each network must contain both a wireless sender device and a wireless receiver device. Do you have both a wireless sender and a wireless receiver device?

Problem	Solution
No communication between the Rocketboost sender and receiver devices.	• Make sure that the power indicators of the Rocketboost wireless sender and wireless receiver devices are lit solidly. If the indicators are blinking, see "Establishing communication" on page 21. • If the joining process is failing, make sure that only one of your Rocketboost devices has the Hub switch enabled. Note that the hub device will be the only device with the green power indicator. Non-hub devices have a blue power indicator.
No sound	• Check the volume level of the wireless speaker or audio sources connected to the wireless sender. • Make sure that all of the audio cables are connected correctly. • Make sure that the power indicators of the Rocketboost wireless sender and wireless receiver devices are lit solidly. If the indicators are blinking, see "Establishing communication" on page 19. • Make sure the audio source connected to your wireless sender is On. • Make sure the wireless sender or wireless receiver devices are not Muted. The Receive Mode indicator (marked Rx) light blinks when the device is muted. • When using computer USB audio, make sure your computer audio volume is turned up and not muted. Depending on your computer and operating system you may have to adjust this in the operating system volume settings or in the application you are using (for example, Windows Media Player).
My Rocketboost remote will not control the volume. I can't turn the volume up or down.	• Make sure you have removed the insulation sheet in the battery tray of the Rocketboost remote. • To maximize your volume level through the system, make sure your source devices (i.e., A/V receiver, iPod, etc.) have their volume turned up to at least 50% of their volume level. • The battery in your remote may be dead. Try replacing it with a new battery.
The sound/audio is really quiet coming out of my wireless speakers.	• To maximize your volume level through the system, make sure your source devices (i.e., A/V receiver, iPod, etc.) have their volume turned up to at least 50% of their volume level.
Sound interference	• Experiment with different orientations or locations of your wireless sender device. • Make sure your wireless sender device is more than 18 inches from any WiFi routers you may have. • Shorten the distance between the Rocketboost wireless devices. The maximum distance is 150 feet (45 m), but this distance will be reduced as the wireless signal passes through walls or other obstructions. • It is possible other devices like cordless phones, microwaves, wireless routers, etc. may be causing interference. Try turning one device off at a time to determine which device is causing interference. • If your cordless phone or wireless router is causing interference try changing the channel it is using. Please refer to your device's owner manual.
Cannot play audio from a computer	• Make sure that the USB cable is connected to the wireless sender/receiver and your computer correctly. • Make sure that you have selected the USB jack as the audio input source by pressing **USB-In** button on the remote control.

Specifications

Wireless sender/receiver

Power supply	5 V, 600 mA
Maximum line-level input signal level	2.0 Vrms
Maximum line-level output signal level	1.0 Vrms
Output loading	10 kohm
Signal-to-noise ratio	90 dB
Dimensions (W × H × D)	9.1 × 3.4 × 1.8 inches (230 × 86 × 46 mm)
Weight	4.7 oz. (134 g)

Wireless Speaker

Power supply (AC to DC adapter)	15 V, 1.5 A
Signal-to-noise ratio	90dBA +/-3dBA
Speaker impedance	4 ohms
Rated output power (THD)	7 W x 2 @ 1% THD
Dimensions (W ×H × D)	4.2 × 8.0 × 5.6 inches (10.6 × 20.4 × 14.3 cm)
Weight	3.2 lbs. (1.45 kg)

Legal notices

FCC and IC Information:

This device complies with Part 15 of the FCC Rules and RSS-210 of the IC Rules. This device also complies with Industry license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC & IC Radiation Exposure Statement

This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the exemption from the routine evaluation limits in section 2.5 of RSS 102.

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

2. This equipment complies with FCC RF/IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and users can obtain Canadian information on RF exposure and compliance from the Canadian Representative Richardson Technical Services Inc., Suite 304, 131 Wurtemburg St., Ottawa, Ontario, Canada. Tel: 613 562 3827

Rocketboost is a trademark of BBY Solutions, Inc.

Information for Users on Disposal of Old Equipment

European Union

Note: This symbol is only valid in the European Union.

This symbol indicates that the electrical and electronic equipment should not be disposed as general household waste at its end-of-life. Instead, the product should be handed over to the applicable collection point for the recycling in accordance with your national legislation.

By disposing of this product correctly, you will help to conserve natural resources and will help prevent potential negative effects on the environment and human health that could otherwise be caused by inappropriate waste handling of this product. For more information about collection point and recycling of this product, please contact your local municipal office, your household waste disposal service or the shop where you purchased the product.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

Other Countries Outside the European Union

If you wish to dispose of this product, please do so in accordance with applicable national legislation or other rules in your country for the treatment of old electrical and electronic equipment.

One-year limited warranty

Rocketfish Products ("Rocketfish") warrants to you, the original purchaser of this new **RF-RBWS01** ("Product"), that the Product shall be free of defects in the original manufacture of the material or workmanship for one (1) year from the purchase of the Product ("Warranty Period"). This Product must be purchased from an authorized dealer of Rocketfish brand products and packaged with this warranty statement. This warranty does not cover refurbished Product. If you notify Rocketfish during the Warranty Period of a defect covered by this warranty that requires service, terms of this warranty apply.

How long does the coverage last?

The Warranty Period lasts for one year (365 days), beginning on the date you purchased the Product. The purchase date is printed on the receipt you received with the product.

What does this warranty cover?

During the Warranty Period, if the original manufacture of the material or workmanship of the Product is determined to be defective by an authorized Rocketfish repair center or store personnel, Rocketfish will (at its sole option): (1) repair the Product with new or rebuilt parts; or (2) replace the Product at no charge with new or rebuilt comparable products or parts. Products and parts replaced under this warranty become the property of Rocketfish and are not returned to you. If service of Products and parts are required after the Warranty Period expires, you must pay all labor and parts charges. This warranty lasts as long as you own your Rocketfish Product during the Warranty Period. Warranty coverage terminates if you sell or otherwise transfer the Product.

How to obtain warranty service?

If you purchased the Product at a retail store location, take your original receipt and the Product to the store you purchased it from. Make sure that you place the Product in its original packaging or packaging that provides the same amount of protection as the original packaging. If you purchased the Product from an online web site, mail your original receipt and the Product to the address listed on the web site. Make sure that you put the Product in its original packaging or packaging that provides the same amount of protection as the original packaging.

Where is the warranty valid?

This warranty is valid only to the original purchaser of the Product in the United States, Canada, and Mexico.

What does the warranty not cover?

This warranty does not cover:

- Customer instruction
- Installation
- Set up adjustments
- Cosmetic damage

- Damage due to acts of God, such as lightning strikes
- Accident
- Misuse
- Abuse
- Negligence
- Commercial use
- Modification of any part of the Product, including the antenna

This warranty also does not cover:

- Damage due to incorrect operation or maintenance
- Connection to an incorrect voltage supply
- Attempted repair by anyone other than a facility authorized by Rocketfish to service the Product
- Products sold as is or with all faults
- Consumables, such as fuses or batteries
- Products where the factory applied serial number has been altered or removed

REPAIR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS YOUR EXCLUSIVE REMEDY. ROCKETFISH SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR THE BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT, INCLUDING, BUT NOT LIMITED TO, LOST DATA, LOSS OF USE OF YOUR PRODUCT, LOST BUSINESS OR LOST PROFITS. ROCKETFISH PRODUCTS MAKES NO OTHER EXPRESS WARRANTIES WITH RESPECT TO THE PRODUCT, ALL EXPRESS AND IMPLIED WARRANTIES FOR THE PRODUCT, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE AND NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER THE WARRANTY PERIOD. SOME STATES, PROVINCES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE OR PROVINCE TO PROVINCE.

Contact Rocketfish:

For customer service please call 1-800-620-2790
www.rocketfishproducts.com

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For model number RF-RBWS01-05A:

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